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## *Abstract*

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**Grant Number:** 1 X01MH78950-01

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**Project Title:** Inhibitors of Caspase-1 and Caspase-7

**Abstract: DESCRIPTION** (provided by applicant): Our primary objective is to discover novel small molecules that selectively inhibit caspase-1 and caspase-7 using a biochemically based high throughput screening assay. We intend to identify reversible inhibitors with better drug-like properties than the currently available set of aspartyl-containing peptidomimetics that covalently bind the active site. We will be especially vigilant to identify allosteric inhibitors to a novel site identified in our laboratory.

**Thesaurus Terms:** caspase-1, caspase-7, high-throughput screening, HTS, small molecules, peptidomimetics, aspartyl, allosteric inhibitors

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